



**38th INTERNATIONAL CONFERENCE  
ON HIGH ENERGY PHYSICS**

AUGUST 3 - 10, 2016  
CHICAGO

Contribution ID: 602

Type: **Oral Presentation**

## **Searches for heavy neutrinos at the LHC (30' + 4')**

*Friday, 5 August 2016 09:53 (34 minutes)*

Heavy neutrinos occur in various extensions of the Standard Model (SM) and may explain the observed small masses of the SM neutrinos via several possible variants of the seesaw mechanism. We present results on searches for heavy neutrinos at the LHC. Searches are performed in the dilepton+jets channel and the trilepton channel, and results are interpreted in terms of the Left-Right Symmetrical model, Type-I, and the Type-III seesaw mechanism.

**Presenters:** YANG, Un Ki (Seoul National University (KR)); YANG, Un-ki (Seoul National University)

**Session Classification:** Neutrino Physics

**Track Classification:** Neutrino Physics